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UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 2703

Total Pages in this Submission

3940 U.S.

TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application P.O. Box 1450 Alexandria, VA 22313-1450

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| If a C | ONT | INU | ATION AF | PPLICATION, | che | ck appropriate | box and supply | y the requisite information: | | | | |
| | | inua | | | | | | of prior application No.: | | | | |
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| | | | | Divisional | _ | Continuation | n-m-part (OIF) | or prior application No | | | | |
| Enclo | sea | are: | | | | Applicati | on Elements | | | | | |
| 1. | X | Filir | ng fee as | calculated and | d trai | nsmitted as de | scribed below | | | | | |
| • | | | | | | | | | | | | |
| 2. | X | Spe | cification | having | | 17 | pages and i | ncluding the following: | | | | |
| | a. | X | Descript | ive Title of the | e Inv | ention | | | | | | |
| | b. | | Cross References to Related Applications (if applicable) | | | | | | | | | |
| | C. | | Statement Regarding Federally-sponsored Research/Development (if applicable) | | | | | | | | | |
| | d. | | Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix | | | | | | | | | |
| | e. | X | Background of the Invention | | | | | | | | | |
| | f. | X | Brief Summary of the Invention | | | | | | | | | |
| | g. | X | Brief Description of the Drawings (if filed) | | | | | | | | | |
| | h. | X | Detailed | Description | | | | | | | | |
| | i. | X | Claim(s) | as Classified | Belo |)W | | | | | | |
| | j. | X | Abstract | of the Disclos | ure | | | | | | | |

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Total Pages in this Submission

| | | | | | Application | Elements | (Continued) | |
|-----|----|------------|-----------------------|---------------|--|---------------|-------------------|--|
| 3. | X | Dra | wing(s) (| when nece | ssary as prescribe | ed by 35 US | SC 113) | |
| | a. | X | Formal | | Number of She | ets | 2 | |
| | b. | | Informa | al | Number of She | ets | | |
| 4. | X | Oat | h or Dec | laration | | | | |
| | a. | X | Newly 6 | executed (o | riginal or copy) | ☐ Un | executed | |
| | b. | | Copy fr | om a prior | application (37 CF | FR 1.63(d)) | (for continuation | on/divisional application only) |
| | C. | X | With Po | ower of Atto | rney 🛚 Wit | hout Power | of Attorney | |
| | d. | | Signed | statement | <u>/ENTOR(S)</u> attached deleting (d)(2) and 1.33(b | | named in the | prior application, |
| 5. | | The und | entire of er Box 4 | disclosure o | ered as being par | ation, from | which a cop | by of the oath or declaration is supplied accompanying application and is hereby |
| 6. | | CD | ROM or | CD-R in du | plicate, large tabl | e or Comp | iter Program | (Appendix) |
| 7. | | App | lication (| Data Sheet | (See 37 CFR 1.7 | 6) | | |
| 8. | | Nuc | leotide a | nd/or Amin | o Acid Sequence | Submissio | n (if applicable | e, all must be included) |
| | a. | | Comput | ter Readab | e Form (CRF) | | | |
| | b. | | Specific | cation Sequ | ence Listing on: | | | |
| | | | i. 🗆 | CD-ROM | or CD-R (2 copies | s); or | | |
| | | | ii. 🔲 | Paper | | | | |
| | C. | | Stateme | ent(s) Verify | ring Identical Pap | er and Con | nputer Readal | ble Copy |
| | | | | | Accompan | ying Appli | ation Parts | |
| 9. | X | Assi | gnment | Papers (co | ver sheet & docur | nent(s)) | | |
| 10. | | 37 C | CFR 3.73 | (B) Statem | ent <i>(when there i</i> s | s an assign | ee) | |
| 11. | | Eng | lish Tran | slation Doc | ument <i>(if applical</i> | ole) | | |
| 12. | X | Info | rmation (| Disclosure 9 | Statement/PTO-1 | 449 X | Copies of ID | S Citations |
| 13. | | Prel | iminary / | Amendmen | İ | | | |
| 14. | X | Retu | ırn Rece | ipt Postcar | (MPEP 503) (SI | nould be sp | ecifically item | ized) |
| 15. | X | Cert | ified Cop | by of Priorit | y Document(s) (if | foreign prid | rity is claimed | 1) |
| 16. | X | Cert | ificate of | f Mailing | | | _ | (|
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| • | Additional Enclosures (please identify below): | |
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Accompanying Application Parts (Continued)

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

18. Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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Total Pages in this Submission

Fee Calculation and Transmittal

| CLAIMS AS FILED | | | | | | | | | |
|-----------------------|---|---|--|--------|------------------|----------|--|--|--|
| For | #Filed | #Allowed | #Extra | | Rate | Fee | | | |
| Total Claims | 10 | - 20 = | 0 | x | \$18.00 | \$0.00 | | | |
| Indep. Claims | | - 3 = | | x | \$84.00 | \$0.00 | | | |
| Multiple Dependent Cl | aims (check | if applicable) | | | | \$0.00 | | | |
| | _ | | | | BASIC FEE | \$750.00 | | | |
| OTHER FEE (specify | purpose) | ASSI | GNMENT R | ECORD | ATION | \$40.00 | | | |
| | | | | | TOTAL FILING FEE | \$790.00 | | | |
| Charge the | eby authorize amount of overpayment additional fil issue fee set 37 C.F.R. 1. | d to charge and c \$790.00 a ling fees required : in 37 C.F.R. 1.18 311(b). | s filing fee. under 37 C.F at the mailin | Accoun | t No. 19-4675 | | | | |